

Lake O' the Pines

Segment: 0403 Cypress Creek Basin

Basin number:	4
Basin group:	A
Water body description:	From Ferrell's Bridge Dam in Marion County to a point 1.0 km (0.6 miles) downstream of US 259 in Morris/Upshur County, up to normal pool elevation of 228.5 feet (impounds Big Cypress Creek)
Water body classification:	Classified
Water body type:	Reservoir
Water body length / area:	18,700 Acres
Water body uses:	Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use, Public Water Supply Use

Standards Not Met and Concerns in Previous Years				
Assessment Area	Use	Support Status or Concern	Parameter	Category
Upper 3700 acres	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5a

Additional Information: The contact recreation, public water supply, fish consumption and general uses are fully supported.

This segment was identified on the 2000 303(d) List as partially supporting the aquatic life use due to depressed dissolved oxygen. Because an insufficient number of 24-hour dissolved oxygen values were available in 2002 to determine if the criterion is supported, this segment will be identified as not meeting the standard for dissolved oxygen until sufficient 24-hour measurements are available to demonstrate support of the criterion. There were insufficient 24-hour data for 2004.

2004 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
Lower 5000 acres	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Upper 3700 acres	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Upper 3700 acres	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Upper 3700 acres	Nutrient Enrichment Concern	Concern	total phosphorus

Monitoring sites used:		
Assessment Area	Station ID	Station Description
Lower 5000 acres	10296	LAKE O' THE PINES MID LAKE NEAR DAM
Middle 5000 acres	13977	LAKE O' THE PINES SITE EC

Monitoring sites used:		
Assessment Area	Station ID	Station Description
Middle 5000 acres	16156	LAKE O' THE PINES MID LAKE OPPOSITE FM729 BRIDGE ON ALLEY CREEK, EQUIDISTANT BETWEEN BOTH SHORELINES
Middle 5000 acres below Hwy 155	10297	LAKE O' THE PINES IN RIVER CHANNEL 30M FROM NORTHEAST TEXAS MUNICIPAL WATER DIST. INTAKE
Upper 3700 acres	10300	LAKE O' THE PINES ADJACENT TO LONE STAR LANDING 0.75KM SE OF US 259

Published studies:		
Publication	Date	Author
AS 121/SR Cypress Creek Basin	Jan. 1993	Crowe, A. (Region 5)
IMS 39 Lake O' the Pines	Feb. 1975	Petrack, D.